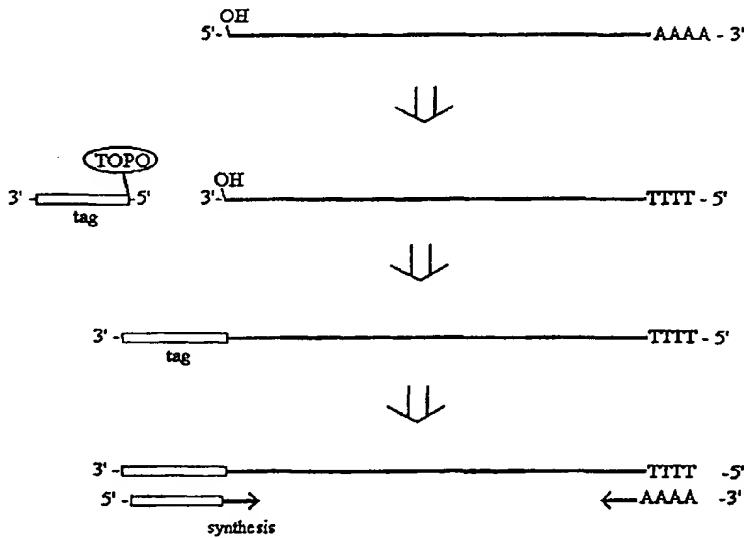


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(54) Title: METHODS OF OBTAINING FULL-LENGTH NUCLEIC ACID SEQUENCES USING *E. COLI* TOPOISOMERASE III AND ITS HOMOLOGS

(57) Abstract

The invention disclosed herein comprises a method of obtaining full-length coding cDNA. The invention method comprises using isolated full-length mRNA to synthesize first strand cDNA, attaching a non-native tag to the cDNA and using the tagged first strand to synthesize second strand cDNA. The final cDNA can additionally be amplified and inserted into an expression vector. Also disclosed are isolated full-length coding cDNAs prepared using the method of the invention, as well as nucleic acid constructs containing the full-length coding cDNAs.